
MARION COUNTY

(Marion County Water Service Area Map)

- Estimated 1999 population of 16,400--95% on public water
- Estimated 2020 population of 17,400--95% on public water
- 375 miles of water lines
- Estimated funding needs for public water 2000-2005--\$0
- Estimated funding needs for public water 2006-2020--\$0

Marion County had an estimated population of 16,374 (6,343 households) in 1999 with a projected population of 17,416 (7,284 households) in 2020. Public water is provided to most of the county's residents. In areas of the county not served by public water, about 1/3 of the households rely on private domestic wells and 2/3 the households rely on other sources.

Estimated Costs - Proposed Projects, 2000-2020

All Lines Funded.

PUBLIC WATER SYSTEMS

The residents of Marion County are presently provided water by two systems: the Marion County Water District and the City of Lebanon.

MARION COUNTY WATER DISTRICT

PWSID: 0780268
System Type:..... COMMUNITY
Owner Type: WATER DISTRICT
Surface Source:
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.00
Percent Daily Average Production:..... 0.00
Total Tank Storage Capacity (gallons): 728,000.00
Total Service Connections: 4,091.00
Number of Employees:..... 7.00
Treatment Operator Class:2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons:..... 4.21
O/M costs 1997:..... 867,434.00
O/M costs per Service Connection: 213.86
Net Revenue 1997: 107,469.00
Total Water Produced 1997 (gallons):..... 0.00

WATER SERVICE AREAS

MARION COUNTY

Kentucky

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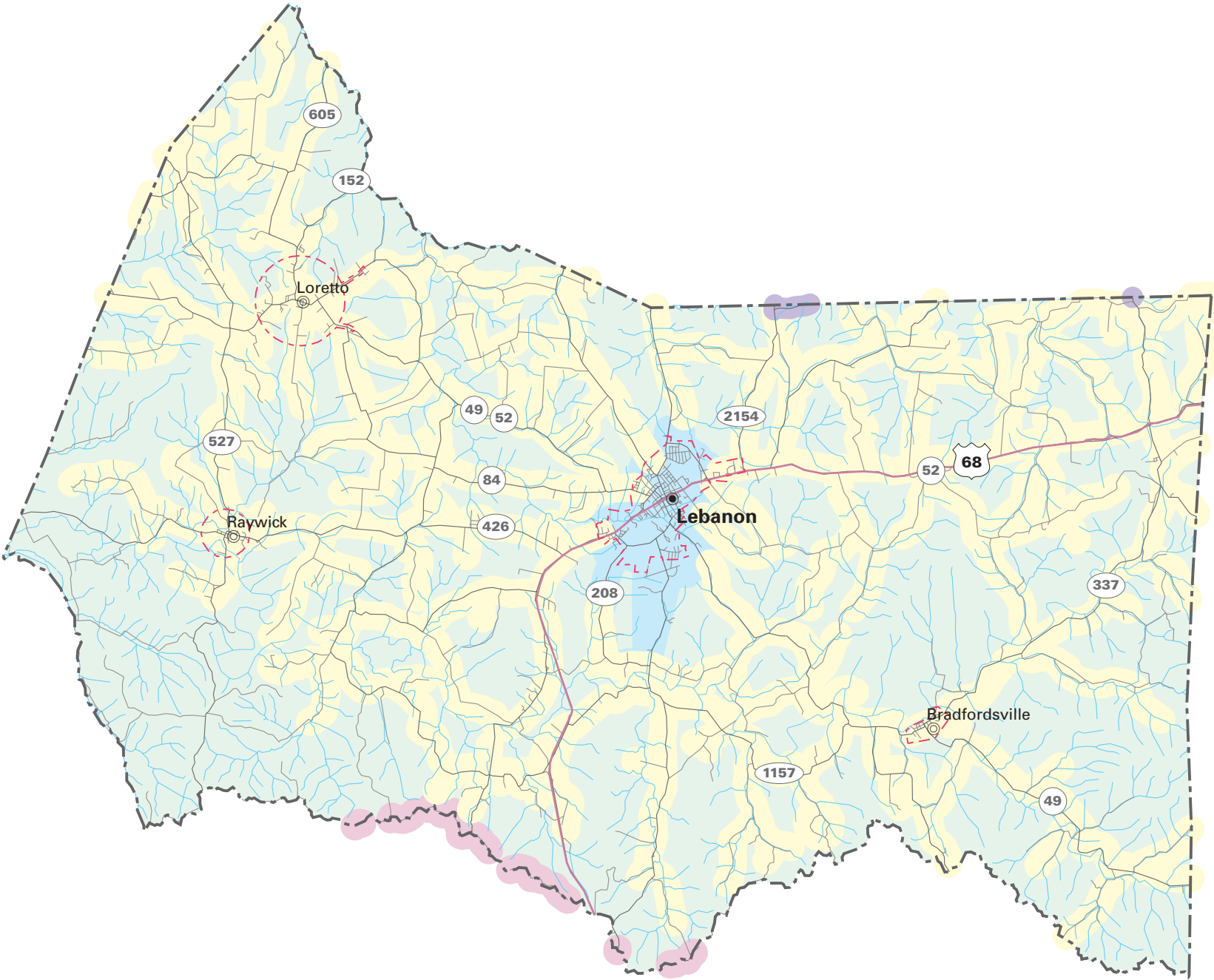
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		SPRINGFIELD WATER WORKS
		MARION COUNTY WATER DISTRICT
		CITY OF LEBANON
		CAMPBELLSVILLE MUNICIPAL WATER SYSTEM

Water Sold 1997 (gallons):	299,202,000.00
Unaccounted-for Water 1997 (%):	17.86

The Marion County Water District purchases its water from the City of Lebanon which in turn gets its water from the Rolling Fork River and Fagan Branch Reservoir. According to the Marion County Water Supply Plan, Rolling Fork River and Fagan Branch Reservoir have an adequate supply of water to support any future needs. The District currently services 4,276 customers in Marion County and a small portion of Nelson County. The City of Lebanon water treatment plant has a production capacity of approximately 4.0 million gallons per day. On the average, the plant produces approximately 2.0 million gallons per day. Approximately 55% of the design capacity is in use. The District's storage system consists of five storage tanks located at various points within its service area. The total storage capacity of the district is 728,000 gallons, not including the storage capacity of the City of Lebanon. A proposed project includes a 250,000-gallon storage tank, which will increase capacity to 978,000 gallons. After the Gap Knob Project is completed, there will be no remaining areas for the Marion County Water District to expand into. This project has already received funding.

Currently there are 4,276 customers. After completion of the proposed project there will be approximately 4,339 total customers in Marion and Nelson Counties. An area in the southeastern portion of the County is not likely to be served by public water. The area is mostly wooded and not currently inhabited by people or structures other than hunting cabins.

LEBANON WATER WORKS COMPANY INCORPORATED

PWSID: 0780241
System Type: COMMUNITY
Owner Type: MUNICIPAL
Surface Source: ROLLING FORK RIVER
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 4.50
Percent Daily Average Production: 88.00
Total Tank Storage Capacity (gallons): 940,000.00
Total Service Connections: 2,437.00
Number of Employees: 12.00
Treatment Operator Class: 2D
Distribution Operator Class: 3A
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

PRIVATE DOMESTIC SYSTEMS

About 800 people in Marion County rely on private domestic water supplies: 250 on wells, and 550 on other sources.

Ground-water resources in Marion County are limited. Wells located in the larger valley bottoms throughout the county will produce enough water for a domestic supply except during dry weather. In the upland areas of Marion County, which encompasses approximately 80% of the county, most drilled wells will not produce enough water for a dependable domestic supply except along drainage lines which may produce enough water except during dry weather.

Throughout the county ground water is hard or very hard and may contain salt or hydrogen sulfide, especially at depths greater than 100 feet.
